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Harvest of Fishes from Lake Michigan during 2008



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Harvest data was compiled from Lake Michigan fisheries research and management agencies. Pounds of fish harvested are estimated for 22 species from commercial and sport fishing, weir harvest, assessment surveys and incidental catch by the commercial fishery. Updates are completed annually as new data becomes available and verified.

The total biomass of fish harvested during 2008 is estimated at **13.3 million pounds**. The peak harvest for the survey period (1985 to present) was 56.6 million pounds during 1985. Harvest averaged 38 million pounds from 1985 through 1994, and 18.5 million pounds from 1995 to the present, and showed a general downward trend. The 2008 harvest estimates showed a decline as a result of reduced harvest in sport fishing tied directly to Chinook salmon harvest (Figure 1). The bulk of the reduction in harvest during the early 1990's is due to closure of the commercial yellow perch and alewife fisheries as well as a reduction in the Chinook sport harvest.

Overall, harvest from 1994 to the present has been within sustainable harvest limits of 12.2 to 25.5 million pounds, as outlined in the Fish-Community Objectives for Lake Michigan (Eshenroder et al. 1995). Prior to 1994, harvest levels exceeded the upper limit of sustainable harvest. The **13.3 million pounds** total harvest is the lowest level for the time series, however.

The salmonine harvest of **7.2 million pounds** during 2008 was approximately 3 million pounds less than the previous year (Figure 2). This level of harvested pounds has not been this low since 1995. Salmonine forage appears to be available in some areas of the Lake, but there is reduced condition and abundance of forage..

Chinook salmon harvest during 2008 reached **5.5 million pounds**, which is a decrease of nearly 3 million pounds compared to the 2007 harvest level and the lowest level since 2001 as well as the entire decade of the 1990's. This decline is likely attributed to the smaller size of Chinook salmon harvested by anglers and decreases in forage. **Coho salmon** harvest levels decreased to **464,000 pounds** which is half of the 2007 level, and remains below average levels for the time series of 1.2 million pounds. **Steelhead trout** harvest has remained below 1 million pounds for the 6th consecutive year with a harvest of **420,000** pounds which is the lowest level for the 24 year time series.

Lake trout harvest remains below 1 million pounds and continues to decline from the record high harvest in 1998 of 2.7 million pounds. Total harvest was **668,000** pounds. A total of 9.2 % of the salmonine harvest was comprised of lake trout, due in part to the continued availability of the other salmonine species; however this is the highest percentage since 2001. The **brown trout** harvest of **176,000** pounds showed a decline from 2007 and continues to be less than half of the 24 year average of 400,000 pounds. This species provides a supplementary near shore fishery for many agencies during the winter period, and are often not included in DNR creel surveys.

Benthivore harvest continues to be dominated by lake whitefish, with the commercial fishery being the primary source. The harvest of lake whitefish had been declining for the period 1996 to 2002 but has stabilized around 4.25 million pounds. The benthivore fishery totaled **4.8 million** pounds during 2008 (Figure 3). The harvest level for 2003-2008 falls within the sustainable harvest target range of 4 to 6 million pounds set by Eshenroder et al. (1995).

The harvest of inshore fishes was within the target range of 2.2 to 4.4 million pounds from 1985 through 1995, but has remained well below target levels since that time (Figure 4). Harvest during 2008 was **802,000** pounds, primarily comprised of yellow perch and walleye. The yellow perch sport harvest has averaged 400,000 pounds since the bag limit reductions were introduced in 1997. The harvest of yellow perch by sport anglers was **424,000** pounds during 2008. The 2002, 2003, and 2004 year classes made up the bulk of the fishery in 2008 with some fish from the 1998 year class still present as 10 year old fish. Recruitment from the 2005 year-classes may add to the harvest in the upcoming years (YPTG).

Walleye are continuing to gain interest within the near shore fishery. On a lake-wide basis, harvest levels have again reached the target sustainable levels of 200,000 to 400,000 pounds for the second consecutive year since, 1996. The 2008 walleye harvest biomass was **248,000** pounds which includes 23,000 pounds of commercially harvested walleye by the Tribal commercial fishers.

Commercial pounds harvested has shown a decrease in 2008. The estimated harvest of commercially valuable species during 2008 declined to **5.6 million** pounds(Figure 1 and 5), with lake whitefish providing the bulk of the fishery. Lake whitefish harvest in 2008 had a slight increase to **4.7 million** pounds. Commercial harvest of other species continued a downward trend during the 1990's and into the 2000's, due to a decline in all commercially fished species and the closure of the yellow perch and alewife fisheries. Harvest of all seven major species during 2008 was lower relative to the ten-year average and remains below 10 million pounds for the entire decade of 2000's. Bloater harvest was **295,000** pounds and has dropped below one million pounds harvested for the third consecutive year and is currently at it lowest level for the 24-year time period.

The primary commercial harvest of yellow perch occurs in the Green Bay area of Wisconsin. During 2008, **65,000** pounds of yellow perch were harvested in Wisconsin waters of Lake Michigan. Green Bay perch stocks have remained relatively strong while populations in the remainder of Lake Michigan experienced recruitment failure. An additional **3000** pounds of yellow perch were harvested by the Tribal commercial fisherman.

References

Eschenroder, R. L., M. E. Holey, T. K. Gorenflo, and R. D. Clark, Jr. 1995. Fish-Community Objectives for Lake Michigan. Great Lakes Fish. Comm. Spec. Pub. 95-3.56 p.

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Total Harvest of Fish by Method Lake Michigan

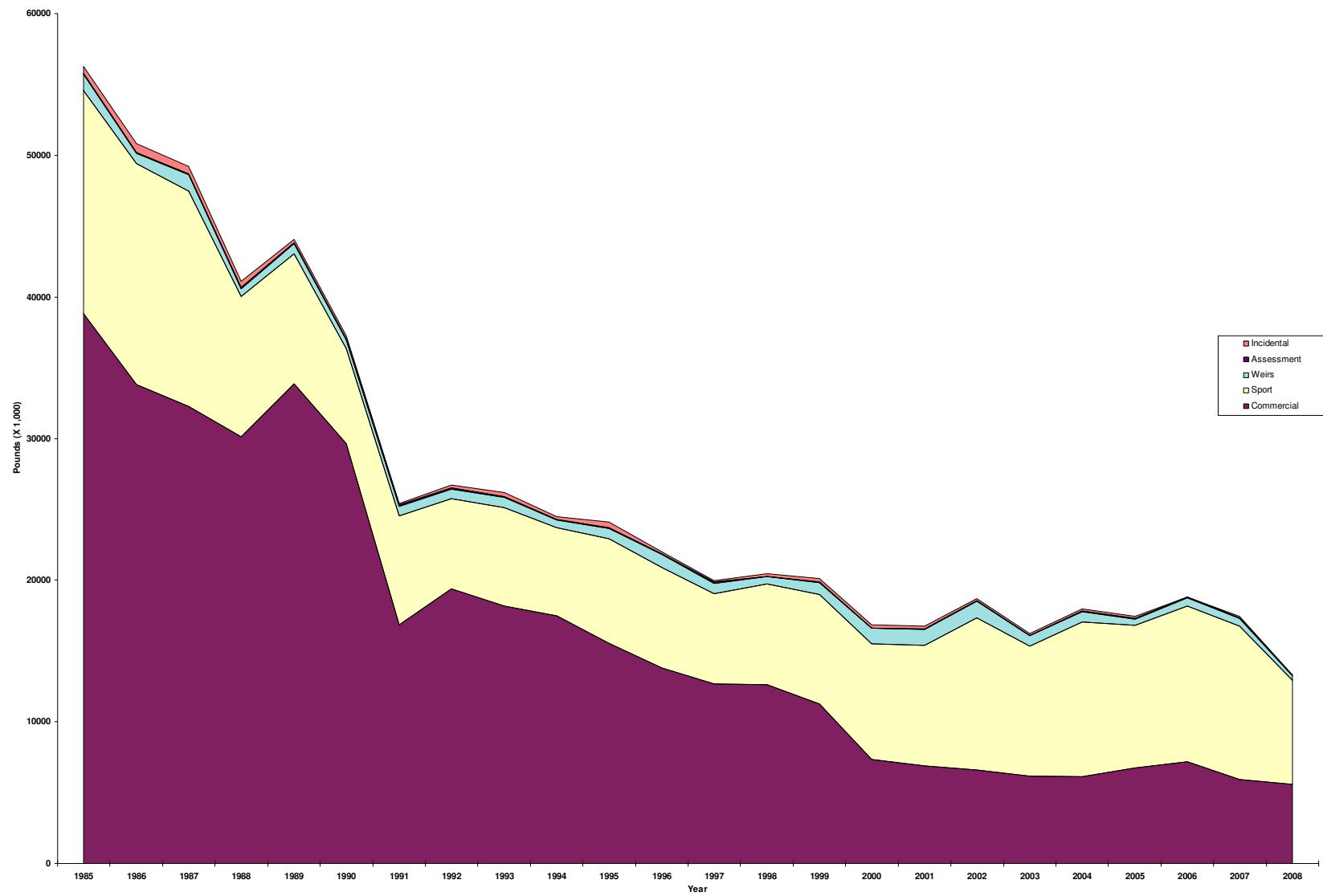


FIGURE 1. Total Harvest of Fish by Method in Lake Michigan, 1985 through 2008

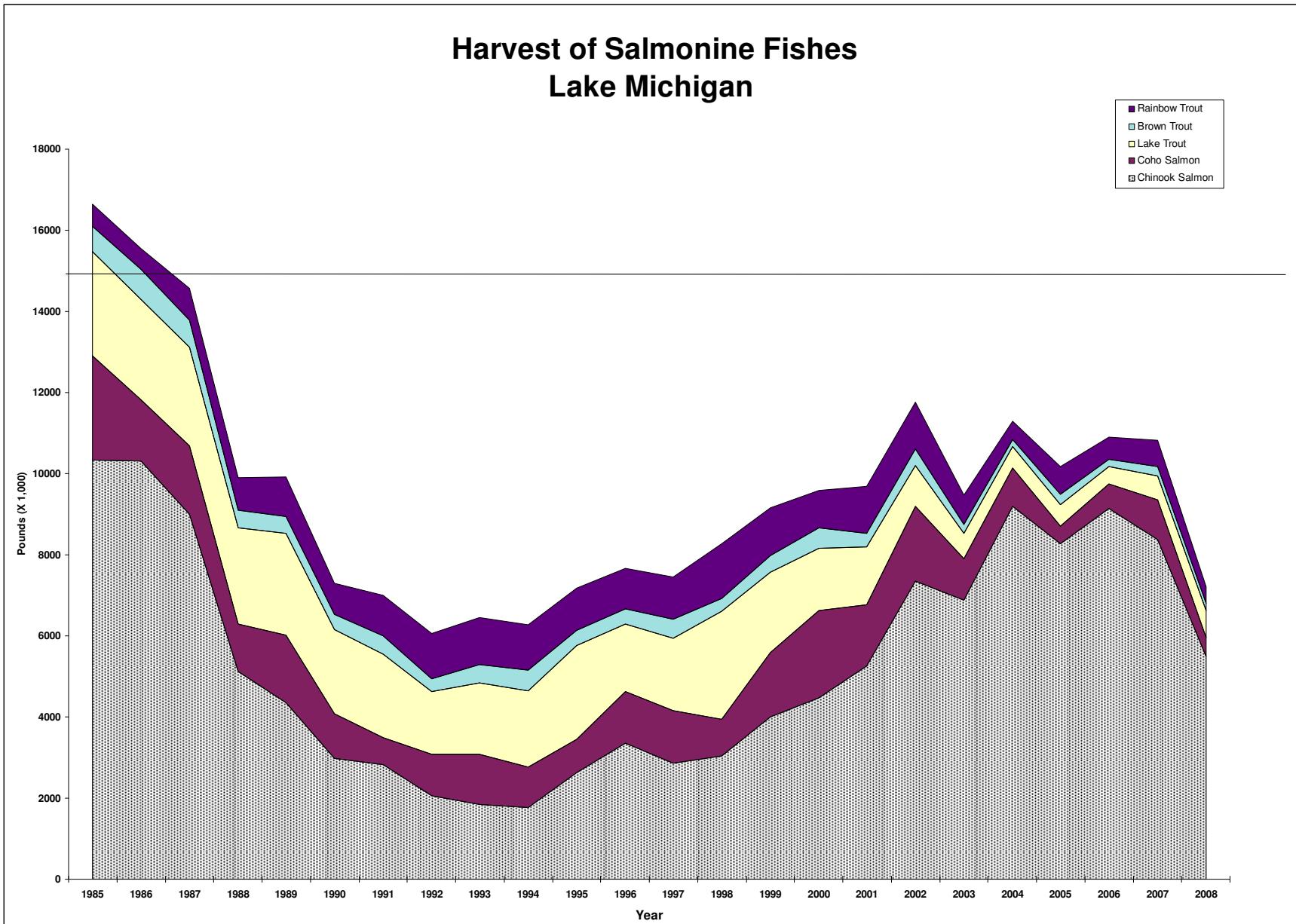


FIGURE 2. Harvest of Salmonine Fishes in Lake Michigan, 1985 through 2008

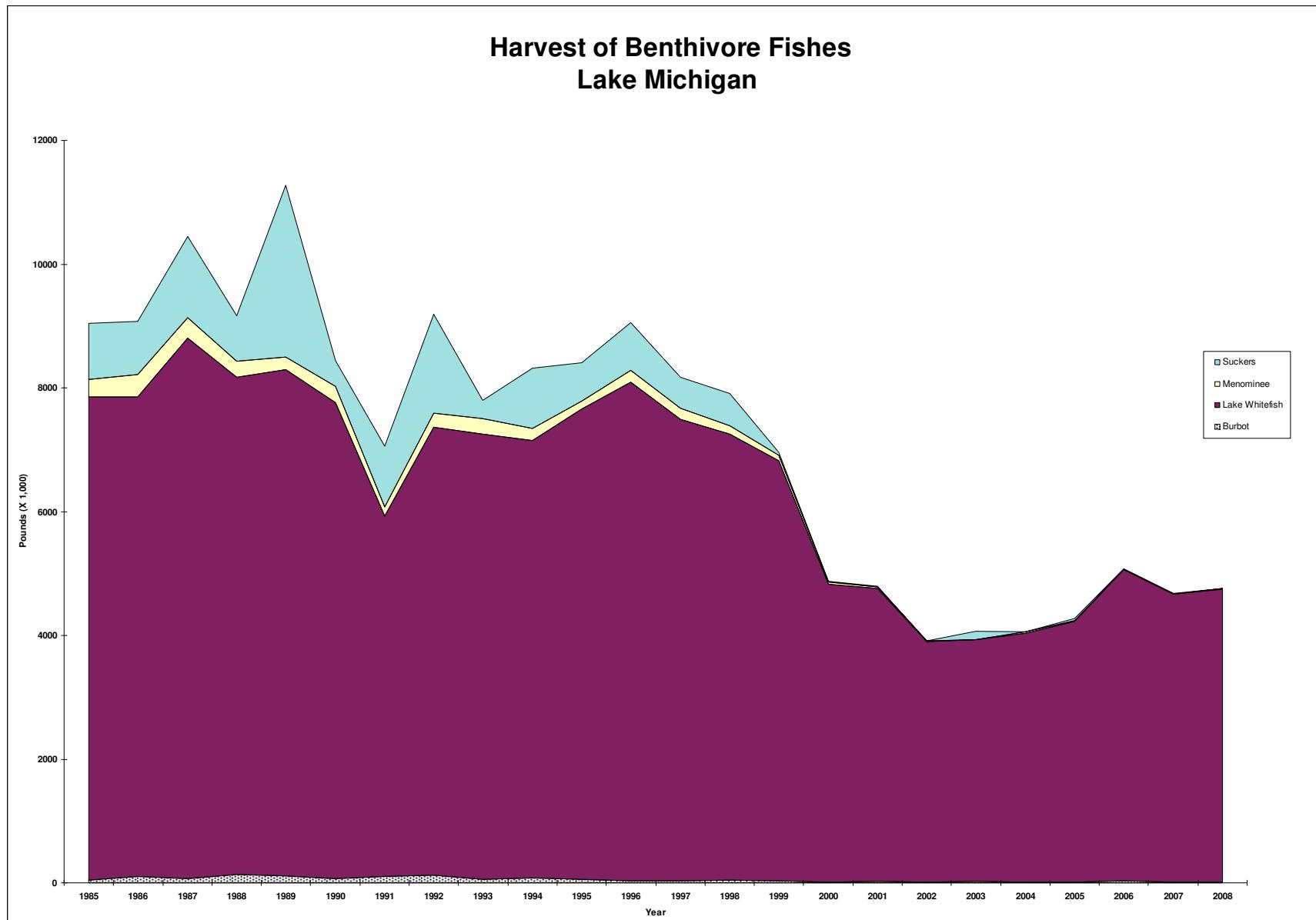


FIGURE 3. Harvest of Benthivore Fishes in Lake Michigan, 1985 through 2008

Harvest of Inshore Fishes Lake Michigan

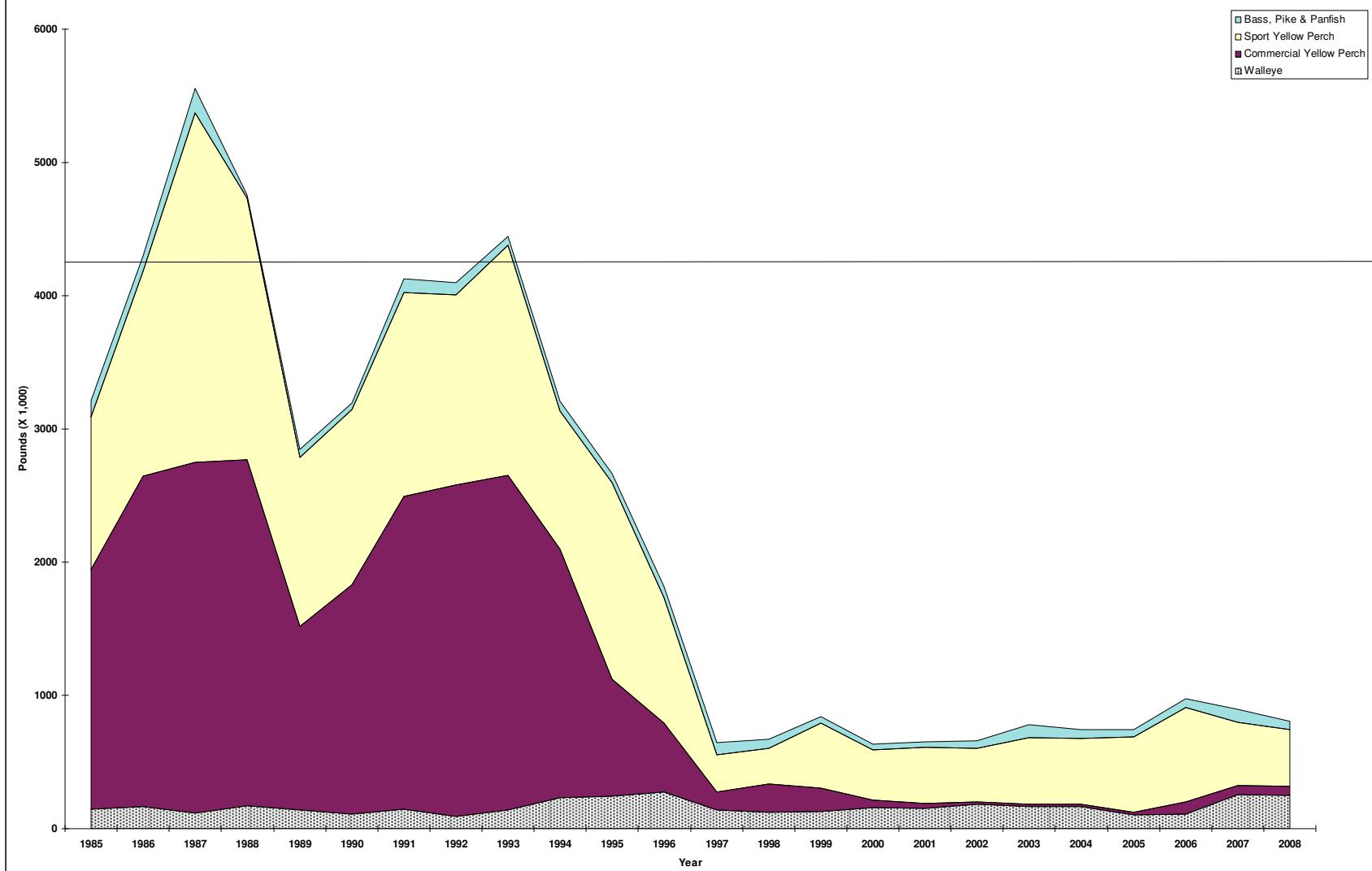


FIGURE 4. Harvest of Inshore Fishes in Lake Michigan, 1985 through 2008

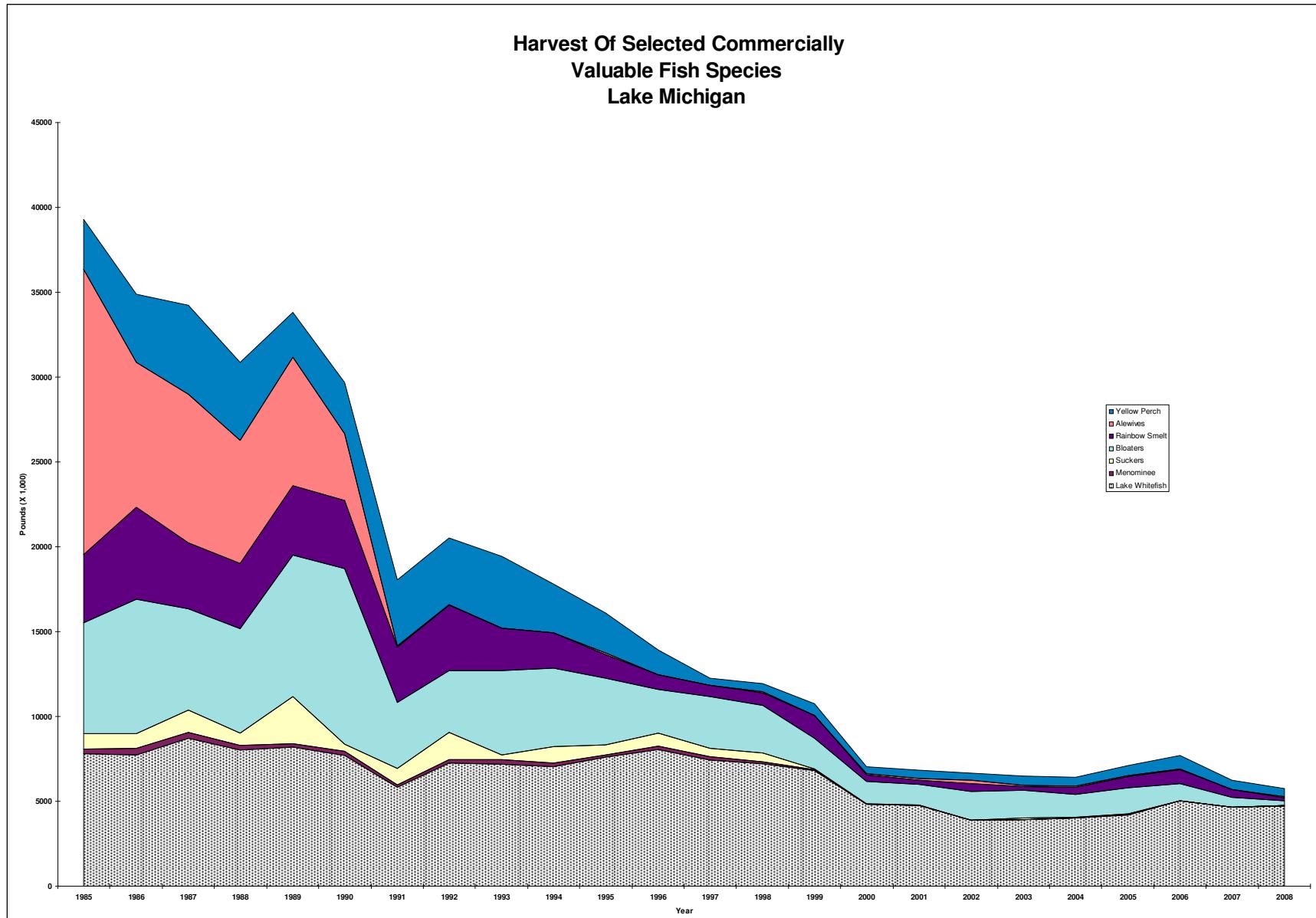


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TABLE 1.

FIGURE 1.	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Commercial	38793.8	33812.1	32272.3	30117.4	33877.2	29641.2	16857.6	19373	18156.1	17508	15561.43	13779.79
Sport	15787.48	15584.65	15216.65	9923.226	9154.657	6704.035	7680.261	6393.237	6946.551	6211.409	7387.109	7126.884
Weirs	1140.5	724	1130.7	534.8	717.7	641.6	696.5	683.9	753.3	522.352	698.52	885.5
Assessment	58.8	59.4	59.1	70.5	84.8	56.7	73.7	65.8	60.9	53.074	55.136	90.534
Incidental	498.6	645.3	540.6	456.2	231.7	205	98.2	199.707	261.6	199.7	414.2	110.5
Total	56279.18	50825.45	49219.35	41102.13	44066.06	37248.54	25406.26	26715.64	26178.45	24494.54	24116.4	21993.21
FIGURE 2.	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Burbot	49.4	96.5	69.3	141.6	109.7	71.7	103.4	120.2	52.25	84.22	54.4	31.52
Lake Whitefish	7802.4	7756.7	8732.1	8023.8	8189.5	7695.2	5822.3	7248.1	7199.1	7062.752	7609.864	8063.126
Menominee	284	366	329.4	260.5	200.8	254.8	147.4	223.6	253.9	196.1	118.4	184.4
Suckers	905.8	859.1	1313.4	744.5	2773.1	416.8	983.3	1599.5	292.3	973.532	621.25	774.91
Total	9041.6	9078.3	10444.2	9170.4	11273.1	8438.5	7056.4	9191.4	7797.55	8316.604	8403.914	9053.956
FIGURE 3.	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Chinook Salmon	10335.76	10312.38	8994.268	5116.938	4351.454	2977.711	2822.937	2059.618	1842.279	1762.109	2627.977	3353.066
Coho Salmon	2564.587	1515.623	1696.118	1167.456	1664.531	1101.644	676.445	1018.48	1229.13	1003.687	826.997	1269.251
Lake Trout	2570.738	2461.434	2427.063	2382.343	2512.094	2084.818	2057.36	1542.95	1775.482	1875.4	2302.307	1667.49
Brown Trout	629.498	740.519	664.47	430.281	413.378	366.829	452.44	321.987	444.134	510.368	381.538	372.338
Rainbow Trout	548.295	512.3	788.187	801.528	971.126	757.881	991.562	1112.673	1168.025	1115.302	1037.888	996.283
Total	16648.88	15542.25	14570.11	9898.546	9912.583	7288.883	7000.744	6055.708	6459.05	6266.866	7176.707	7658.428
% Lake Trout	0.154409	0.15837	0.166578	0.240676	0.253425	0.286027	0.293877	0.254793	0.274883	0.299256	0.320803	0.217733
FIGURE 4.	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Walleye	147.496	163.105	114.945	170.239	137.712	112.679	143.926	89.544	138.563	234.704	246.427	274.482
Commercial Yellow Perch	1795.2	2483.4	2634.9	2596.8	1379.6	1719.3	2348.8	2490.1	2513	1865.5	877.03	517.04
Sport Yellow Perch	1151.504	1538.677	2624.872	1967.633	1266.549	1315.172	1533.716	1426.183	1728.177	1033.422	1476.855	938.086
Bass, Pike & Panfish	119.1	112.7	181.9	20.343	61.422	49.864	102.788	93.145	64.891	74.827	61.747	87.069
Total	3213.3	4297.882	5556.617	4755.015	2845.283	3197.015	4129.23	4098.972	4444.631	3208.453	2662.059	1816.677
FIGURE 5.	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Lake Whitefish	7802.4	7756.7	8732.1	8023.8	8189.5	7695.2	5822.3	7248.1	7199.1	7062.752	7609.864	8063.126
Menominee	284	366	329.4	260.5	200.8	254.8	147.4	223.6	253.9	196.1	118.4	184.4
Suckers	905.8	859.1	1313.4	744.5	2773.1	416.8	983.3	1599.5	292.3	973.532	621.25	774.91
Bloater	6524.6	7919.4	5987.1	6138.7	8360.7	10342.3	3885.7	3630.2	4971.2	4631.98	3890.64	2567.71
Rainbow Smelt	4028.4	5421.1	3876.1	3847.6	4070.3	4017.6	3246.6	3845	2491.7	2049.661	1422.35	889.31
Alewives	16802.4	8539.4	8743.9	7268.5	7579.9	3934.9	76.6	40.9	3.5	9.38	101.757	1.16
Yellow Perch	2952.504	4028.077	5265.372	4568.133	2650.749	3038.772	3886.516	3920.583	4244.877	2899.722	2354.485	1458.99
Total	39300.1	34889.78	34247.37	30851.73	33825.05	29700.37	18048.42	20507.88	19456.58	17823.13	16118.75	13939.61

TABLE 1. Continued

FIGURE 1.	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Commercial	12679.9	12641.45	11256.38	7333.937	6893.822	6583.917	6164.763	6111.18	6735.312	7180.809	5943.786	5593.421
Sport	6376.512	7095.2	7746.965	8143.368	8515.9	10739.96	9204.677	10941.46	10061.5	10990.32	10832.7	7348.65
Weirs	740.5	500.034	840.701	1124	1100.048	1210.463	688.937	746.908	442.572	603.323	518.467	314.06
Assessment	54.643	29.4646	39.884	34.856	38.8249	34.981	33.612	35.6	34.701	41.358	32.963	30.017
Incidental	130.5	178.94	229.7	231.445	192.42	129	133.6	130	175.4	0	104.2	32.37
Total	19982.05	20445.09	20113.63	16867.61	16741.01	18698.32	16225.59	17965.14	17449.49	18815.81	17432.12	13318.52
FIGURE 2.	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Burbot	38.8	47.893	33.601	15.046	18.674	13.645	20.875	11.728	14.682	31.283	11.533	11.884
Lake Whitefish	7447.29	7205.642	6793.035	4816.243	4745.976	3882.623	3909.841	4022.944	4215.897	5037.782	4660.22	4736.909
Menominee	183.303	135.347	85.75	27.154	12.515	8.651	6.715	21.093	12.702	1.36	2.21	5.246
Suckers	505.93	514.9876	47.899	8.962	17.711	7.111	125.931	3.481	29.414	6.769	4.574	5.005
Total	8175.323	7903.87	6960.285	4867.405	4794.876	3912.03	4063.362	4059.246	4272.695	5077.194	4678.537	4759.044
FIGURE 3.	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Chinook Salmon	2859.061	3022.771	4008.256	4473.565	5252.101	7359.653	6886.199	9186.923	8273.101	9142.229	8376.931	5489.196
Coho Salmon	1295.416	895.077	1582.163	2155.828	1509.109	1835.275	1012.308	952.387	423.76	595.326	985.842	463.976
Lake Trout	1785.474	2666.321	1987.835	1518.253	1436.249	1010.683	633.752	523.389	533.263	447.684	581.214	667.54
Brown Trout	473.206	317.836	407.701	513.562	330.12	392.858	222.207	183.797	260.806	158.108	231.861	176.22
Rainbow Trout	1044.925	1353.609	1161.788	928.576	1167.748	1173.176	711.085	456.905	679.921	561.825	656.847	420.75
Total	7458.082	8255.614	9147.743	9589.784	9695.327	11771.65	9465.551	11303.4	10170.85	10905.17	10823.7	7217.682
% Lake Trout	0.239401	0.322971	0.217303	0.15832	0.148138	0.085857	0.066954	0.046304	0.052431	0.041052	0.053698	.092487
FIGURE 4.	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Walleye	139.144	121.649	125.465	158.091	152.546	181.167	162.272	164.94	101.064	111.14	257.115	247.775
Commercial Yellow Perch	136.196	211.052	176.65	57.98	38.99	19.99	19.349	17.981	23.575	90.695	65.296	68.941
Sport Yellow Perch	277.95	270.54	492.937	375.741	415.375	399.814	503.87	492.97	563.92	708.86	478.981	424.29
Bass, Pike & Panfish	90.805	65.145	48.045	41.208	44.768	56.235	92.779	65.668	56.05	67.528	92.67	61.24
Total	644.095	668.386	843.097	633.02	651.679	657.206	778.27	741.559	744.609	978.277	894.062	802.246
FIGURE 5.	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Lake Whitefish	7447.29	7205.642	6793.035	4816.243	4745.976	3882.623	3909.841	4022.944	4215.897	5037.782	4660.22	4736.909
Menominee	183.303	135.347	85.75	27.154	12.515	8.651	6.715	21.093	12.702	1.36	2.21	5.246
Suckers	505.93	514.9876	47.899	8.962	17.711	7.111	125.931	3.481	29.414	6.769	4.574	5.005
Bloater	3030.94	2817.428	1792.945	1335.534	1226.781	1701.834	1626.466	1385.654	1531.916	986.635	583.809	295.218
Rainbow Smelt	663.44	701.48	1336.399	387.918	251.244	452.632	184.766	408.929	676.416	836.38	428.76	179.28
Alewives	5.5	92.903	16.857	48.904	109.097	200.129	97.6	63.81	44.262	28.774	20.321	62.489
Yellow Perch	416.586	484.249	680.803	437.909	460.711	421.802	526.103	513.301	591.831	802.854	546.654	495.223
Total	12252.99	11952.04	10753.69	7062.624	6824.035	6674.782	6477.422	6419.212	7102.438	7700.554	6246.548	5779.37

TABLE 2.

SUMMARY OF LAKEWIDE HARVEST FOR ALL AGENCIES IN 1000'S OF POUNDS
THIS INCLUDES COMMERCIAL, SPORT, WEIR, ASSESSMENT AND INCIDENTAL CATCH

SUMMARY	(X 1,000 Pounds)											
	YEAR											
SPECIES	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
chinook salmon	10335.76	10312.38	8994.268	5116.938	4351.454	2977.711	2822.937	2059.618	1842.279	1762.109	2627.977	3353.066
coho salmon	2564.587	1515.623	1696.118	1167.456	1664.531	1101.644	676.445	1018.48	1229.13	1003.687	826.997	1269.251
pink salmon	2.4	0.1	6.5	0	2	0	0.1	0	0.2	0	0	0
lake trout	2570.738	2461.434	2427.063	2382.343	2512.094	2084.818	2057.36	1542.95	1775.482	1875.4	2302.307	1667.49
brook trout	8.9	9.681	2.944	7.029	4.061	9.551	5.601	16.08	5.306	9.62	2.385	0.732
brown trout	629.498	740.519	664.47	430.281	413.378	366.829	452.44	321.987	444.134	510.368	381.538	372.338
Rainbow trout	548.295	512.3	788.187	801.528	971.126	757.881	991.562	1112.673	1168.025	1115.302	1037.888	996.283
Walleye	147.496	163.105	114.945	170.239	137.712	112.679	143.926	89.544	138.563	234.704	246.427	274.482
yellow perch	2952.504	4028.077	5265.372	4568.133	2650.749	3038.772	3886.516	3920.583	4244.877	2899.722	2354.485	1458.99
smb, musky, northern	0	0	0	0	0	0	0	0	0	0	0	0
pike, and panfish	119.1	112.7	181.9	20.343	61.422	49.864	102.788	93.145	64.891	74.827	61.747	87.069
Burbot	49.4	96.5	69.3	141.6	109.7	71.7	103.4	120.2	52.25	84.22	54.4	31.52
lake whitefish	7802.4	7756.7	8732.1	8023.8	8189.5	7695.2	5822.3	7248.1	7199.1	7062.752	7609.864	8063.126
menominee	284	366	329.4	260.5	200.8	254.8	147.4	223.6	253.9	196.1	118.4	184.4
sturgeon	0	0.437	0.882	0.836	0.73	0.686	1.186	1.784	1.414	1.071	1.883	1.371
Suckers	905.8	859.1	1313.4	744.5	2773.1	416.8	983.3	1599.5	292.3	973.532	621.25	774.91
Alewives	16802.4	8539.4	8743.9	7268.5	7579.9	3934.9	76.6	40.9	3.5	9.38	101.757	1.16
Bloaters	6524.6	7919.4	5987.1	6138.7	8360.7	10342.3	3885.7	3630.2	4971.2	4631.98	3890.64	2567.71
lake herring	2.9	10.9	25.4	11.8	12.8	14.8	0.1	1.6	0.2	0.1	0.1	0
rainbow smelt	4028.4	5421.1	3876.1	3847.6	4070.3	4017.6	3246.6	3845	2491.7	2049.661	1422.35	889.31
TOTAL	56545.1	50825.45	49219.35	41102.13	44066.06	37248.54	25406.26	26885.94	26178.45	24494.54	23662.4	21993.21

TABLE 2,
continued.

**SUMMARY OF LAKEWIDE HARVEST FOR ALL AGENCIES IN 1000'S OF POUNDS
THIS INCLUDES COMMERCIAL, SPORT, WEIR, ASSESSMENT AND INCIDENTAL CATCH**

SUMMARY	(X 1,000 Pounds)											
SPECIES	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
chinook salmon	2859.061	3022.771	4008.256	4473.565	5252.101	7359.653	6886.199	9186.923	8276.101	9142.229	8367.931	5489.1960
coho salmon	1295.416	895.077	1582.163	2155.828	1509.109	1835.275	1012.308	952.387	423.76	595.326	985.842	463.9760
pink salmon	0	0	0	0	0.05	0.041	0	0.01	0	0	0	0
lake trout	1785.474	2666.321	1987.835	1518.253	1436.249	1010.683	633.752	523.389	533.263	447.684	581.214	667.540
brook trout	0.669	0.667	0.648	0.633	1.163	0.411	0.5	0	0	0.051	0.1	0
brown trout	473.206	317.836	407.701	513.562	330.12	392.858	222.207	183.797	260.806	158.109	231.861	176.220
rainbow trout	1044.925	1353.609	1161.788	928.576	1167.748	1173.176	711.085	456.905	679.921	561.825	656.847	420.750
Walleye	139.144	121.649	125.465	158.091	152.546	181.167	162.272	164.94	101.064	111.14	257.115	247.7750
yellow perch	416.586	484.249	680.803	437.909	460.711	421.802	526.103	513.301	591.831	802.854	546.654	495.2230
smb, musky, northern	0	0	0	0	0	0	0	0	0	0	0	0
pike, and panfish	90.805	65.145	48.045	41.208	44.768	56.235	92.779	65.668	56.05	67.582	92.67	62.240
Burbot	38.8	47.893	33.601	15.046	18.674	13.645	20.875	11.728	14.682	31.283	11.533	11.8840
lake whitefish	7447.29	7205.642	6793.035	4816.243	4745.976	3882.623	3909.841	4022.944	4215.897	5037.782	4660.22	4736.9090
menominee	183.303	135.347	85.75	27.154	12.515	8.651	6.715	21.093	12.702	1.36	2.21	5.2460
sturgeon	1.552	2.031	3.523	0	4.322	0	6.038	0.151	4.3	0.03	0.01	.030
suckers	505.93	514.9876	47.899	8.962	17.711	7.111	125.931	3.481	29.414	6.769	4.574	5.0050
alewives	5.5	92.903	16.857	48.904	109.097	200.129	97.6	63.81	44.262	28.774	20.321	62.4890
bloaters	3030.94	2817.428	1792.945	1335.534	1226.781	1701.834	1626.466	1385.654	1531.916	986.635	583.809	295.2180
lake herring	0.01	0.05	0.92	0.22	0.11	0.394	0.152	0.033	0.1	0	0.445	.5370
rainbow smelt	663.44	701.48	1336.399	387.918	251.244	452.632	184.766	408.929	676.416	836.38	428.76	179.280
TOTAL	19982.05	20445.09	20113.63	16867.61	16740.99	18698.32	16225.59	17965.14	17449.49	18815.18	17432.116	13318.518

TABLE 3.

COMMERCIAL HARVEST FOR ALL AGENCIES IN 1000'S OF POUNDS
THIS INCLUDES ILLINOIS, INDIANA, MICHIGAN, WISCONSIN and TRIBAL

COMMERCIAL (X 1,000 Pounds)	YEAR											
SPECIES	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
chinook salmon	11.6	18.7	142.1	512.7	535.5	442.1	20.6	9	4.8	39.9	82.4	46.6
coho salmon	0.7	4	3	29.3	31.1	23.1	0	0	0	0	0	0
pink salmon	0	0	0	0	0	0	0	0	0	0	0	0
lake trout	894	664.2	576.3	627	680.9	751.8	303.9	382.5	411.8	616.8	626.8	748.3
brook trout	0	0	0	0	0	0	0	0	0	0	0	0
Brown trout	0	0	0	0	0	0	0	0	0	0	0	0
rainbow trout	0	0	0	0	0	0	0	0	0	0	0	0
walleye	11.5	12.5	6.6	7.7	19.7	6.1	1.8	1.7	3.8	3.7	1.1	3
Yellow perch	1795.2	2483.4	2634.9	2596.8	1379.6	1719.3	2348.8	2490.1	2513	1865.5	877.03	517.04
smb, musky, northern	0	0	0	0	0	0	0	0	0	0	0	0
pike, and panfish	11	6	6.8	5.7	1.2	0.3	1	0.7	0	0	0	0
Burbot	48.9	94	65.1	137.2	105	68.9	98.2	117.7	50.7	83.1	53.6	27.5
lake whitefish	7520.7	7587.2	8682	7996.1	8158.6	7671.4	5795.4	7235.2	7189.6	7045.1	7596.8	8033.7
menominee	258.2	322.5	298.9	254.7	191.3	249.3	144.4	222.3	245.6	195.4	118.1	184.3
sturgeon	0	0	0	0	0	0	0	0	0	0	0	0
suckers	903.4	858.4	1312.7	743.7	2772.2	415.7	968.9	1598.2	287.3	972.9	621.1	774.6
alewives	16801.5	8536.2	8739.1	7265.2	7577.3	3933	68.6	38.3	2.1	8.7	0	0.15
bloaters	6507.5	7906.6	5979.6	6129	8342.9	10328.4	3861	3602.1	4956.6	4627.3	3708.1	2555.4
lake herring	2.9	10.9	25.4	11.8	12.8	14.8	0.1	1.6	0.1	0.1	0.1	0
rainbow smelt	4026.7	5307.5	3799.8	3800.5	4069.1	4017	3244.9	3843.9	2490.7	2049.5	1422.3	889.2
TOTAL	38793.8	33812.1	32272.3	30117.4	33877.2	29641.2	16857.6	19373	18156.1	17508	15561.43	13779.79

TABLE 3 continued.

COMMERCIAL HARVEST FOR ALL AGENCIES IN 1000'S OF POUNDS
THIS INCLUDES ILLINOIS, INDIANA, MICHIGAN, TRIBAL, AND WISCONSIN

COMMERCIAL SPECIES	(X 1,000 Pounds)											
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
chinook salmon	17.7	27.432	8.25	34.78	29.11	15.747	2.949	1.307	4.036	5.623	3.893	4.4530
coho salmon	0	0	0	0	0	0	0	0.005	0	0.007	0	0
pink salmon	0	0	0	0	0	0	0	0	0	0	0	0
lake trout	694.7	902.723	979.39	622.29	490.52	290.329	182.378	169.916	198.288	236.563	270.301	328.3690
brook trout	0	0	0	0	0	0	0	0	0	0	0	0
brown trout	0	0	0	0	0	0	0	0	0	0	0.008	0
rainbow trout	0	0	0	0	0	0	0	0	0	0	0	0
walleye	8.5	1.55	1.33	12.72	12.86	15.235	9.141	21.968	17.851	2.536	20.223	23.2860
Yellow perch	136.196	211.052	176.65	57.98	38.99	19.99	19.349	17.981	23.575	90.695	65.296	68.9410
smb, musky, northern	0	0	0	0	0	0	0	0	0	0	0	0
pike, and panfish	0	0	0	0	0	0	0.01	0	0	0	0	0
Burbot	36.4	47.529	32.39	12.8	17	11.95	19.7	10.84	13.634	13.316	10.8	11.0720
lake whitefish	7414.28	7196.453	6782.548	4789.295	4703.814	3869.955	3893.483	4010.202	4192.007	4979.796	4642.753	4644.9590
menominee	182.2	134.807	85.57	26.51	10.526	8.065	6.116	20.616	11.753	0.989	1.919	4.8510
sturgeon	0	0	0	0	0	0	0	0	0	0	0	0
suckers	505	514.559	47.252	7.845	8.558	2.23	125.1	2.401	24.503	0.687	0.208	3.7080
alewives	3.8	89.9	15	47.4	106	197.4	96	62.5	42.9	28.1	0	30.8250
bloater	3017.9	2814.035	1790.858	1334.278	1225.153	1700.122	1625.785	1384.801	1530.865	986.227	499.25	293.510
lake herring	0	0.048	0.92	0.22	0.11	0.394	0.152	0.032	0	0	0.435	.2270
rainbow smelt	663.22	701.359	1336.225	387.819	251.181	452.5	184.6	408.611	675.9	836.27	428.7	179.220
TOTAL	12679.9	12641.45	11256.38	7333.937	6893.822	6583.917	6164.763	6111.18	6735.312	7180.809	5943.786	5593.4210

TABLE 4

SPORT HARVEST FOR ALL STATE AGENCIES IN 1000'S OF POUNDS
THIS INCLUDES Illinois, Indiana, Michigan and Wisconsin

4 agencies

(X 1,000
Pounds)

YEAR

SPECIES	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
chinook salmon	9539.863	9731.578	8003.968	4098.538	3378.054	2068.011	2314.737	1587.318	1414.179	1412.814	2148.767	2769.766
coho salmon	2029.587	1200.923	1294.818	949.156	1284.431	850.744	445.745	759.773	844.33	771.257	501.043	913.751
pink salmon	2.4	0.1	6.5	0	2	0	0.1	0	0.2	0	0	0
lake trout	1362.438	1318.034	1432.163	1431.243	1640.494	1177.718	1673.36	999.45	1161.082	1061.26	1537.489	772.53
brook trout	7.9	8.881	2.744	6.929	3.861	9.051	5.401	15.78	3.006	8.214	2.385	0.732
Brown trout	615.398	711.919	646.67	420.281	403.478	344.529	436.74	307.487	424.134	507.558	377.275	365.738
rainbow trout	537.695	499.1	772.687	795.228	965.326	754.081	984.262	1103.273	1152.325	1099.182	1024.154	981.283
walleye	128.296	146.605	104.245	161.639	111.112	106.079	142.026	87.844	134.763	231.004	245.327	271.382
Yellow perch	1151.504	1538.677	2624.872	1967.633	1266.549	1315.172	1533.716	1426.183	1728.177	1033.422	1476.855	938.086
smb, musky, northern	0	0	0	0	0	0	0	0	0	0	0	0
pike, and panfish	107.8	106.4	174.8	14.543	60.122	49.464	101.788	92.445	64.891	74.827	61.747	87.069
Burbot	0	0	0	0	0.3	0.2	0.7	0	0.05	0	0	0
lake whitefish	278.6	167	48	25.9	29	23	25.8	11.9	7.4	10.8	10.184	25.176
menominee	25	42.7	29.6	5.1	9	5	2	0	7.1	0	0	0
sturgeon	0	0.437	0.882	0.836	0.73	0.686	1.186	1.784	1.414	1.071	1.883	1.371
suckers	0	0	0	0	0.2	0.3	12.7	0	3.4	0	0	0
alewives	0	0	0	0	0	0	0	0	0	0	0	0
bloaters	0	0	0	0	0	0	0	0	0	0	0	0
lake herring	0	0	0	0	0	0	0	0	0.1	0	0	0
rainbow smelt	1	112.3	74.7	46.2	0	0	0	0	0	0	0	0
TOTAL	15787.48	15584.65	15216.65	9923.226	9154.657	6704.035	7680.261	6393.237	6946.551	6211.409	7387.109	7126.884

TABLE 4, continued.

SPORT HARVEST FOR ALL STATE AGENCIES IN 1000'S OF POUNDS
THIS INCLUDES Illinois, Indiana, Michigan and Wisconsin

4 agencies

(X 1,000
Pounds)

SPECIES	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
chinook salmon	2404.061	2738.134	3520.723	4055.161	4618.725	6591.548	6306.87	8503.02	7820.87	8567.94	8015.651	5227.470
coho salmon	959.226	615.953	1191.972	1397.491	1003.436	1353.335	875.344	858.2	350.15	559.21	818.272	409.610
pink salmon	0	0	0	0	0.05	0.041	0	0	0	0	0	0
lake trout	983.374	1614.825	796.891	667.415	752.582	600.404	328.28	239.71	233.82	195.29	295.847	322.590
brook trout	0.669	0.667	0.648	0.633	1.163	0.411	0.5	0	0	0.051	0.1	0
Brown trout	466.706	313.331	407.158	511.898	329.143	391.308	221.78	183.35	253.87	157.42	231.486	176.10
rainbow trout	1029.745	1347.189	1152.596	922.039	1157.826	1166.406	702.55	450.2	674.42	556.49	649.547	414.890
walleye	130.524	120.096	124.055	145.355	139.6	165.697	152.87	142.845	83.1	108.36	236.599	224.420
Yellow perch	277.95	270.54	492.937	375.741	415.375	399.814	503.87	492.97	563.92	708.86	478.981	424.290
smb, musky, northern	0	0	0	0	0	0	0	0	0	0	0	0
pike, and panfish	90.795	65.145	48.045	41.128	44.768	56.215	92.71	65.56	55.95	67.58	92.58	61.080
Burbot	0	0	0	1.362	0.5	0.3	0	0	0	17	0	0
lake whitefish	31.61	7.289	8.417	25.145	39.91	10.08	14	5.6	18.2	47.7	10	88.20
menominee	0	0	0	0	0	0	0	0	0	0	0	0
sturgeon	1.552	2.031	3.523	0	4.322	0	5.903	0	4.1	0	0	0
suckers	0.3	0	0	0	8.5	4.3	0	0	3.1	4.421	3.637	0
alewives	0	0	0	0	0	0	0	0	0	0	0	0
bloaters	0	0	0	0	0	0	0	0	0	0	0	0
lake herring	0	0	0	0	0	0	0	0	0	0	0	0
rainbow smelt	0	0	0	0	0	0.1	0	0	0	0	0	0
TOTAL	6376.512	7095.2	7746.965	8143.368	8515.9	10739.96	9204.677	10941.46	10061.5	10990.32	10832.700	7348.650